

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A wireless LAN system ~~having~~ comprising:
an access point connected through a wire network and a mobile terminal performing a wireless communication with said access point, ~~said wireless LAN system comprising~~;
a selection circuit ~~for selecting~~ that selects a wireless frequency usable in a relevant area out of stored wireless frequency data on the basis of ~~the~~ area information inputted into said mobile terminal at ~~the~~ a time of setting a frequency ~~for performing~~ that performs a wireless communication, and
a communication circuit through which said access point and said mobile terminal perform a wireless communication with each other by ~~means of~~ the wireless frequency selected by said selection circuit.

2. (Currently Amended) A wireless LAN system according to claim 1, wherein said stored wireless frequency data include said area information and all permitted wireless frequency values corresponding to the said area information.

3. (Currently Amended) A wireless LAN system according to claim 2, wherein said selection circuit performs reception operations by ~~means of~~ all wireless frequency values permitted in said area, displays wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to said mobile terminal, and makes a

communication frequency be selected out of said usable frequencies by operation of said mobile terminal.

4. (Currently Amended) A wireless LAN system ~~having~~ comprising:

an access point connected through a wire network, a mobile terminal performing a wireless communication with said access point and a maintenance device, ~~said wireless LAN system comprising~~;

a selection circuit ~~for selecting~~ that selects a wireless frequency usable in a relevant area out of wireless frequency data stored in said access point on the basis of ~~the~~ area information inputted into said maintenance device at ~~the~~ a time of setting a frequency ~~for performing~~ that performs a wireless communication, and

a communication circuit through which said access point and said mobile terminal perform a wireless communication with each other by ~~means of~~ the wireless frequency selected by said selection circuit.

5. (Currently Amended) A wireless LAN system according to claim 4, wherein said stored wireless frequency data include said area information and all permitted wireless frequency values corresponding to the said area information.

6. (Currently Amended) A wireless LAN system according to claim 5, wherein said selection circuit performs reception operations by ~~means of~~ all wireless frequency values permitted in said area, displays wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to said maintenance device, and makes a

communication frequency be selected out of said usable frequencies by operation of said maintenance device.

7. (Currently Amended) A wireless LAN system ~~having~~ comprising:

an access point connected through a wire network, a mobile terminal performing a wireless communication with said access point and a maintenance device, ~~said wireless LAN system comprising~~;

a selection circuit ~~for selecting~~ that selects a wireless frequency usable in a relevant area out of wireless frequency data stored in said maintenance device on the basis of ~~the~~ area information inputted into said maintenance device at ~~the~~ a time of setting a frequency ~~for performing~~ that performs a wireless communication, and

a communication circuit through which said access point and said mobile terminal perform a wireless communication with each other by ~~means of~~ the wireless frequency selected by said selection circuit.

8. (Currently Amended) A wireless LAN system according to claim 7, wherein said stored wireless frequency data include said area information and all permitted wireless frequency values corresponding to the said area information.

9. (Currently Amended) A wireless LAN system according to claim 8, wherein said selection circuit performs reception operations by ~~means of~~ all wireless frequency values permitted in said area, displays wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to said maintenance device, and makes a

communication frequency be selected out of said usable frequencies by operation of said maintenance device.

10. (Currently Amended) A mobile terminal of a wireless LAN system, said mobile terminal comprising[[:]]:

a selection circuit ~~for selecting~~ that selects a wireless frequency usable in a relevant area out of wireless frequency data stored in said terminal on the basis of ~~the~~ area information inputted into said mobile terminal at ~~the~~ a time of setting a wireless frequency ~~for performing~~ that performs a wireless communication with an access point, and

a communication circuit ~~for performing~~ that performs wireless communication with said access point by ~~means of~~ the wireless frequency selected by said selection circuit.

11. (Currently Amended) A mobile terminal according to claim 10, wherein said stored wireless frequency data include said area information and all permitted wireless frequency values corresponding to the said area information.

12. (Currently Amended) A mobile terminal according to claim 11, wherein said selection circuit performs reception operations by ~~means of~~ all wireless frequency values permitted in said area, displays wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies, and makes a communication frequency be selected out of said usable frequencies.

13. (Currently Amended) An access point of a wireless LAN system, being

connected to a maintenance device through a wire network, said access point comprising;

a selection circuit ~~for selecting~~ that selects a wireless frequency usable in a relevant area out of wireless frequency data stored in one of its own device ~~or and~~ said maintenance device on the basis of ~~the~~ area information inputted into said maintenance device at ~~the~~ a time of setting a wireless frequency ~~for communicating~~ that communicates with a mobile terminal, and

a communication circuit ~~for performing~~ that performs a wireless communication with said mobile terminal by ~~means of~~ the wireless frequency selected by said selection circuit.

14. (Currently Amended) An access point according to claim 13, wherein said stored wireless frequency data include said area information and all permitted wireless frequency values corresponding to the said area information.

15. (Currently Amended) An access point according to claim 14, wherein said selection circuit performs reception operations by ~~means of~~ all wireless frequency values permitted in said area, sends wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to said maintenance device, and makes a communication frequency be selected out of said usable frequencies by operation of said maintenance device.

16. (Currently Amended) An access point of a wireless LAN system, being connected to a maintenance device ~~having~~ including a man-machine interface through a wire network and performing a wireless communication with a mobile terminal, said access point

comprising;

a transmission circuit ~~for performing~~ that performs reception operations by ~~means of~~ all wireless frequency values permitted in a relevant area, said wireless frequency values being stored in one of said maintenance device ~~or~~ and its own device, on the basis of ~~the~~ area information inputted through said man-machine interface of said maintenance device at ~~the~~ a time of setting a wireless frequency ~~for communicating~~ that communicates with a mobile terminal, and

a selection circuit ~~for making~~ that selects a communication frequency ~~be selected~~ out of said usable frequencies by operation of said maintenance device.

17. (Currently Amended) A method for setting a frequency in a wireless LAN system ~~having~~ including an access point and a maintenance device connected to each other through a wire network and a mobile terminal performing a wireless communication with said access point, said method comprising;

~~a step of~~ selecting a wireless frequency usable in a relevant area out of stored wireless frequency data on the basis of ~~the~~ area information inputted at ~~the~~ a time of setting a wireless frequency for the wireless LAN system to communicate, and

~~a step of~~ making said mobile terminal and said access point perform a wireless communication with each other by ~~means of~~ said selected wireless frequency.

18. (Currently Amended) A method for setting a frequency in a wireless LAN system according to claim 17, wherein said stored wireless frequency data include said area information and all permitted wireless frequency values corresponding to the said area

information.

19. (Currently Amended) A method for setting a frequency in a wireless LAN system according to claim 18, wherein said selection of a usable wireless frequency is performed by performing reception operations by ~~means of~~ all wireless frequency values permitted in said area, sending wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to one of said maintenance device ~~or~~ and said mobile terminal, and making a communication frequency be selected out of said usable frequencies by one of said maintenance device ~~or~~ and said mobile terminal.

20. (Currently Amended) A method for setting a frequency in a wireless LAN system comprising a maintenance device ~~having~~ including a man-machine interface, an access point connected to a wire network and a mobile terminal performing a wireless communication with said access point, wherein;

said access point performs reception operations by ~~means of~~ all wireless frequency values permitted in a relevant area stored in one of the maintenance device ~~or~~ and the access point on the basis of ~~the~~ area information inputted through the man-machine interface of the maintenance device at ~~the~~ a time of setting a wireless frequency for said access point to communicate with the mobile terminal, sends wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to a maintenance person and makes the maintenance person select a communication frequency out of said usable frequencies, and

said mobile terminal performs reception operations by ~~means of~~ all wireless frequency

values permitted in [[a]] said relevant area, said wireless frequency values being stored in the mobile terminal, on the basis of the area information inputted through the man-machine interface of the mobile terminal at the time of setting a wireless frequency for said mobile terminal to communicate with the access point, sends wireless frequencies bringing no carrier-busy state as a result of said reception operations as usable frequencies to a user and makes the user select a communication frequency out of said usable frequencies.